III. *A* Catalogue *of Eclipſes of* Jupiter's Satellites *for the Year* 1734. *By* James Hodgſon, *F. R. S. Maſter of the Royal Mathematical School at* Chriſt's Hoſpital, London.

ECLIPSES *of the firſt Satellite of* JUPITER.

Immerſions.				Immerſions.				Immerſions.			
D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.
				9	15	24	25*	22	8	26	49
	JANUARY.			11	9	52	57	24	2	55	41
1	17	5	54*	13	4	21	32	25	21	24	35
3	11	33	37	14	22	50	10	27	15	53	28*
5	6	1	23	16	17	18	49*	29	10	22	20
7	00	29	9	18	11	47	29	31	4	51	11
8	18	57	01*	20	6	16	13				
10	13	24	50	22	00	44	57		APRIL.		
12	7	52	43	23	19	13	42				
14	2	20	40	25	13	42	29*	1	23	20	3
15	20	48	39	27	8	11	17	3	17	48	54
17	15	16	40*	29	2	40	6	5	12	17	46*
19	9	44	41					7	6	46	37
21	4	12	48		MARCH.			9	1	15	27
22	22	40	55					10	19	44	14
24	17	9	6*	1	2	40	12	12	14	12	59*
26	11	37	18	2	21	9	4	14	8	41	45
28	6	5	34	4	15	37	56*	16	3	10	30
30	00	33	52	6	10	6	46	17	21	39	12
31	19	2	13*	8	4	35	38	19	16	7	55*
				9	23	4	32	21	10	36	35
	FEBRUARY.			11	17	33	25*	23	5	5	15
				13	12	2	17	24	23	33	52
2	13	30	34	15	6	31	11	26	18	2	26
4	7	58	59	17	1	00	6	28	12	31	00*
6	2	27	26	18	19	29	00	30	6	59	33
7	20	55	55	20	13	57	54*				

ECLIPSES *of the firſt Satellite of* JUPITER.

Immerſions.				Emerſions.				Emerſions.			
D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.
				18	22	22	29	5	17	17	1
	MAY.			20	16	50	47	7	11	46	9
2	1	28	4	22	11	19	8*	9	6	15	17
3	19	56	32	24	5	47	30	11	00	44	26
5	14	25	2*	26	00	15	55	12	19	13	37
7	8	53	50*	27	18	44	20	14	13	42	49
9	3	23	59	29	13	12	45	16	8	12	3
10	21	50	24					18	2	41	18
12	16	18	47*		JULY.			19	21	10	33
14	10	47	8*					21	15	39	50
	Emerſions.			1	7	41	11	23	10	9	7*
16	7	25	9	3	2	9	39	25	4	38	26
18	1	53	30	4	20	38	10	26	23	7	47
19	20	21	50	6	15	6	44	28	17	37	7
21	14	50	10*	8	9	35	18*	30	12	6	30
23	9	18	28	10	4	3	53				
25	3	46	46	11	22	32	31		SEPTEMBER.		
26	22	15	1	13	17	1	13				
28	16	43	16	15	11	29	57*	1	6	35	51*
30	11	11	32	17	5	58	43	3	1	5	13
				19	00	27	29	4	19	34	35
	JUNE.			20	18	56	18	6	14	3	57
1	5	39	48	22	13	25	8	8	8	33	20*
3	00	8	1	24	7	54	00*	10	3	2	43
4	18	36	16	26	2	22	55	11	21	32	5
6	13	4	30*	27	20	51	52	13	16	1	27
8	7	32	46	29	15	20	52	15	10	30	49
10	2	1	1	31	9	49	52*	17	5	00	9
11	20	29	18					18	23	29	28
13	14	57	34		AUGUST.			20	17	58	47
15	9	25	52*					22	12	28	6
17	3	54	10	2	4	18	55	24	6	57	22*
				3	22	47	57	26	1	26	37

ECLIPSES *of the first Satellite of* JUPITER.

Emerſions.			
D.	H.	M.	S.
27	19	55	50
29	14	25	00
	OCTOBER.		
1	8	54	9
3	3	23	16
4	21	52	21
6	16	21	24
8	10	50	26
10	5	19	26*
11	23	48	25
13	18	17	19
15	12	46	12
17	7	15	1
19	1	43	45

Emerſions.			
D.	H.	M.	S.
20	20	12	27
22	14	41	8
24	9	9	47
26	3	38	25
27	22	7	2
29	16	35	33
31	11	4	2
	NOVEMBER.		
2	5	32	28*
4	00	00	50
5	18	29	7
7	12	57	23
9	7	25	35
11	1	53	45
12	20	21	53

Emerſions.			
D.	H.	M.	S.
14	14	50	00
Jupiter and the Sun in Conjunction.			
	DECEMBER.		
Jupiter and the Sun in Conjunction.			
	Immerſions.		
21	16	21	3
23	10	48	45
25	15	16	25
26	23	44	10
28	18	11	55
30	12	39	40

ECLIPSES *of the ſecond Satellite of* JUPITER.

Immerſions.			
	JANUARY.		
1	16	7	57
5	5	24	00
8	18	40	9*
12	7	56	27
15	21	12	56
19	10	29	32
22	23	46	17
26	13	3	14
30	2	20	19
	FEBRUARY.		
2	15	37	35
6	4	55	00

Immerſions.			
9	18	12	32*
13	7	30	13
16	20	48	2
20	10	5	59
23	23	24	00
27	12	42	6
	MARCH.		
3	2	00	22
6	15	8	39*
10	4	36	59
13	17	55	16
17	7	13	42
20	20	32	6

Immerſions.			
24	9	50	27
27	23	8	49
31	12	27	8*
	APRIL.		
4	1	45	25
7	15	3	41
11	4	21	50
14	17	39	56
18	6	57	56
21	20	15	52
25	9	33	40
28	22	51	23

MAY.

ECLIPSES *of the ſecond Satellite of* JUPITER.

Immerſions.			
D.	H.	M.	S.
	MAY.		
2	12	9	00*
6	1	26	31
9	14	43	59*
13	4	1	20
	Emerſions.		
16	19	54	45
20	9	12	3*
23	22	29	18
27	11	46	27*
31	1	3	36
	JUNE.		
3	14	20	41*
7	3	37	45
10	16	54	54
14	6	12	4
17	19	29	16
21	8	46	31
24	22	3	51
28	11	21	17*
	JULY.		
2	00	38	49
5	13	56	29

Emerſions.			
D.	H.	M.	S.
9	3	14	16
12	16	32	9
16	5	50	15
19	19	8	23
23	8	26	43*
26	21	45	10
30	11	3	47
	AUGUST.		
3	00	22	29
6	13	41	19
10	3	00	17
13	16	19	19
17	5	38	27
20	18	57	37
24	8	16	55*
27	21	36	15
31	10	55	38
	SEPTEMBER.		
4	00	15	1
7	13	34	21
11	2	53	46
14	16	13	4
18	5	32	23
21	18	51	36
25	8	10	46
28	21	29	45

Emerſions.			
D.	H.	M.	S.
	OCTOBER.		
2	10	48	43
6	00	7	33
9	13	26	16
13	2	44	53
16	16	3	18
20	5	21	27*
23	18	39	27
27	7	57	25
30	21	15	8
	NOVEMBER.		
3	10	32	36
6	23	49	51
10	13	6	55
14	2	23	49
Jupiter and the Sun in Conjunction.			
	DECEMBER.		
Jupiter and the Sun in Conjunction.			
19	12	23	54
23	1	39	49
26	14	55	48
30	4	11	52

JANU-

Eclipses *of the third Satellite of* Jupiter.

D.	H.	M.	S.
	January.		
	Immerſions.		
6	23	59	59
14	3	55	42
21	7	52	2
28	11	49	2
	Emerſions.		
7	2	17	13
14	6	13	22
21	10	10	10
28	14	7	40
	February.		
	Immerſions.		
4	15	46	40*
11	19	44	52
18	23	43	35
26	3	42	45
	Emerſions.		
4	18	5	50*
11	22	4	36
19	2	3	55
26	6	3	43
	March.		
	Immerſions.		
5	7	42	21
12	11	42	3*
19	15	41	54
26	19	41	39
	Emerſions.		
5	10	3	57
12	14	4	19*
19	18	4	50
26	22	5	17
	April.		
	Immerſions.		
2	23	41	18
10	3	40	51
17	7	40	1
24	11	38	52*
	Emerſions.		
3	2	5	38
10	6	5	53
	May.		
	Immerſions.		
1	15	37	21
8	19	35	30
	Emerſions.		
16	2	1	55
23	6	00	13
30	9	58	12*
	June.		
	Immerſions.		
27	23	17	8
	Emerſions.		
6	13	56	4
13	17	54	3
20	21	52	12
28	1	50	38
	July.		
	Immerſions.		
5	3	15	15
12	7	13	52
19	11	13	4*
26	15	12	45
	Emerſions.		
5	5	49	33
12	9	48	58*
19	13	49	00
26	17	49	31
	August.		
	Immerſions.		
2	19	12	59
9	23	13	42
17	3	14	49
24	7	16	12*
31	11	17	52

Eclipses *of the third Satellite of* Jupiter.

D.	H.	M.	S.
	August.		
	Emerſions.		
2	21	50	35
10	1	52	8
17	5	54	5
24	9	56	18
31	13	58	48
	September.		
	Immerſions.		
7	15	19	38
14	19	21	23
21	23	22	58
29	3	24	9
	Emerſions.		
7	18	1	26
14	22	4	3
22	2	6	30
29	6	8	33*
	October.		
	Immerſions.		
6	7	24	53
13	11	25	7
	Emerſions.		
6	10	10	9
13	14	11	15
20	18	11	32
27	22	11	18
	November.		
	Emerſions.		
4	2	10	13
11	6	8	17
	December.		
	Immerſions.		
16	22	56	49
24	2	51	56
31	6	47	19

Eclipses *of the fourth Satellite of* Jupiter.

November the 2d.

	H.	M.	S.
Immerſion at	3	40	39
Emerſion at	4	12	27

Jupiter and the Sun in Conjunction.

December the 22d.

	H.	M.	S.
Immerſion at	8	44	59
Emerſion at	10	27	1

N B. *Thoſe that are marked with a Star, are viſible at* London.